

System and Method for Detecting Direct Sequence Spread Spectrum Signals Using Batch Processing of Independent Parameters.

ABSTRACT OF THE DISCLOSURE

System and method for efficient detecting of direct sequence spread spectrum signals using a searcher with batched processing. A preferred embodiment comprises a controller (such as the MCU 310) that writes sets of search parameters to a memory (such as the memory 315) to specify a group of hypotheses. A searcher (such as the searcher 305) reads the sets of search parameters from the memory and generates the groups of hypotheses from the sets of search parameters. The searcher then assigns the hypotheses to correlators and tests each of the hypotheses. Results from the testing can be written back to the memory.